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PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-271289

(43)Date of publication of application : 19.10.1993

(51)Int.Cl.

C07K 13/00
A61K 37/02
C12N 1/21
C12N 15/28
C12P 21/02
// (C12N 1/21
C12R 1:19)
(C12P 21/02
C12R 1:19)

(21)Application number : 04-108342

(22)Date of filing : 17.03.1992

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(54) POLYPEPTIDE

(57)Abstract:

PURPOSE: To provide a new transformed human TNF having antitumor action similar to that of human TNF or its conversion product and free from promoting action on cancer metastasis in contrast with human TNF.

CONSTITUTION: The objective polypeptide is a tumor necrosis factor polypeptide or its conversion product having an amino acid sequence expressed by the amino acids from the 1st Ser to the 155th Leu of formula provided that the amino acid sequence from the 1st Ser to the 8th Asp or the corresponding amino acid sequence of the conversion product contains at least one amino acid sequence of Arg-Gly-Asp and is substituted with an amino acid sequence containing 3 to 16 amino acids. The present invention also relates to a conversion product of the polypeptide, a plasmid, a transformant, their production process, a pharmaceutical composition and a DNA.

Ser Asp Ser Pro Tyr Pro Asp Asp Lys Pro Val Ala His Val Ser Ala
1 5 10 35
Lys Pro Glu Ala Glu Gly Glu Leu Glu Tyr Lys Asp Arg Arg Pro Asp
20 35 50
Ala Leu Leu Ala Lys Gly Val Glu Leu Arg Asp Arg Glu Leu Val Val
25 40 45
Pro Ser Glu Gly Lys Tyr Leu Glu Tyr Ser Glu Val Lys Phe Lys Gly
55 60 65
Glu Gly Glu Pro Ser Val His Val Leu Leu Thr Glu Thr Glu Ser Arg
70 75 80
Leu Glu Val Ser Tyr Glu Thr Lys Val Asp Leu Leu Ser Ala His Lys
85 90 95
Ser Pro Glu Glu Arg Glu Thr Pro Glu Gly Ala Glu Glu Leu Pro Thr
100 105 110
Thr Glu Pro Glu Tyr Asp Gly Gly Val Phe Glu Leu Glu Lys Gly Asp
115 120 125
Arg Leu Glu Ala Glu His Asp Lys Pro Asp Tyr Leu Glu Phe Ala Glu
130 135 140
Ser Gly Glu Val Tyr Phe Gly His Thr Ala Lys
145 150 155

LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the
examiner's decision of rejection or application
converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of
rejection]

[Date of requesting appeal against examiner's decision
of rejection]

[Date of extinction of right]